

# ELECTRICITY AND MAGNETISM EXTENSIONS MENU

(Complete 3 of the following)

<p><b>Create a Comic Book</b> Work as a pair to create a one or two page comic book that illustrates the basic properties of electric charge that you have learned. Explain the difference between objects with a positive charge and objects with a negative charge.</p>	<p><b>Wanted Poster-Scientist</b> (Visit the following website- Use scientists that have contributed to the study of electricity and magnetism. <a href="http://www.shellyssciencepot.com/ScientistWantedPoster/ProjectLayout.htm">http://www.shellyssciencepot.com/ScientistWantedPoster/ProjectLayout.htm</a></p>	<p><b><u>Benjamin Franklin and Electricity</u></b> Did Benjamin Franklin really fly a kite in a thunderstorm to try to capture lightning? Read about experiments that Benjamin did with electricity and use the information to write a factual magazine article about what Franklin did and didn't do with a kite and lightning rod.</p>
<p><b><u>Biology Connection to Electricity</u></b> Do an Internet search to find pictures and explanations of how an electric eel generates electricity. Make a labeled diagram to explain the process. Write a brief explanation of how the process is similar to and different from a battery.</p>	<p style="text-align: center; font-size: 2em;"><b>STUDENT CHOICE</b></p>	<p><b><u>Create a News Report</u></b> Work in pairs to write a script for a TV News report that describes a use for magnets as though it were a new discovery. Explain how this use of magnets will help people.</p>
<p><b><u>Create a Crossword</u></b> Create a crossword puzzle on grid paper (see me) that includes the following terms from our chapter over electricity and magnetism-<b><i>magnetism, force, field, pole, north, south, and domain.</i></b> Write a clue for each term. After completing your crosswords, exchange puzzles with another student and solve them.</p>		<p><b><u>Develop an Experiment</u></b> Pair up with another student and design an experiment relating to electricity or magnetism. Display how the experiment was done by using your iPad. In the recording of the experiment, explain what is going on in your experiment-the principles of electricity or magnetism. <u>Be very specific and detail oriented</u> in the making of your video. Present to the class.</p>

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